

FILE 'USPAT' ENTERED AT 15:04:48 ON 07 AUG 96

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\* W E L C O M E T O T H E \*  
\* U. S. P A T E N T T E X T F I L E \*  
\* \*

=> coded aperture#  
49575 CODED  
285061 APERTURE#  
L1 108 CODED APERTURE#  
(CODED(W)APERTURE#)

=> d 1-108

1. 5,518,324, May 21, 1996, Platen to print head gap adjustment arrangement; Michael C. Campbell, et al., 400/56, 59 [IMAGE AVAILABLE]
2. 5,444,536, Aug. 22, 1995, Apparatus for measuring the curvature of a profile, such as an edge of a turbine blade; Wilhelm Satzger, et al., 356/376 [IMAGE AVAILABLE]
3. 5,432,349, Jul. 11, 1995, Fourier transform microscope for x-ray and/or gamma-ray imaging; Kent S. Wood, et al., 250/336.1; 378/43, 149 [IMAGE AVAILABLE]
4. 5,416,539, May 16, 1995, Compact keratoscope with interchangeable cones; Martin Gersten, et al., 351/212, 221 [IMAGE AVAILABLE]
5. 5,410,147, Apr. 25, 1995, Optical communication system using coplanar light modulators; Nabeel A. Riza, et al., 250/214LS, 227.21; 359/124 [IMAGE AVAILABLE]
6. 5,360,342, Nov. 1, 1994, Coloring board with attached crayons; Delores R. Pardner, 434/84; 401/88; 434/415 [IMAGE AVAILABLE]
7. 5,318,497, Jun. 7, 1994, Combing roll assembly; Bernhard A. Aarnink, et al., 492/30; 19/97, 112; 57/408; 492/47 [IMAGE AVAILABLE]
8. 5,253,036, Oct. 12, 1993, Near-field photometric method and apparatus; Ian E. Ashdown, 356/121, 222 [IMAGE AVAILABLE]
9. 5,245,191, Sep. 14, 1993, Semiconductor sensor for gamma-ray tomographic imaging system; Herbert B. Barber, et al., 250/363.04, 363.1, 370.09 [IMAGE AVAILABLE]
10. 5,099,128, Mar. 24, 1992, High resolution position sensitive detector; Roger Stettner, 250/370.11, 363.06, 363.1, 370.09 [IMAGE AVAILABLE]
11. 5,048,959, Sep. 17, 1991, Spectrographic imaging system; Michael D. Morris, et al., 356/301, 310, 330 [IMAGE AVAILABLE]
12. 5,036,546, Jul. 30, 1991, Pseudo-noise product \*\*coded\*\* \*\*aperture\*\* arrays and method for designing same; Stephen R. Gottesman, et al., 382/321, 275 [IMAGE AVAILABLE]
13. 5,025,376, Jun. 18, 1991, Radiation teletherapy imaging system having plural ionization chambers; Frank J. Bova, et al., 364/413.26; 250/385.1; 364/413.15 [IMAGE AVAILABLE]
14. 5,012,499, Apr. 30, 1991, .gamma.-ray detecting device using dislocation-free crystal; Victor Vali, et al., 378/84, 145 [IMAGE AVAILABLE]
15. 4,891,844, Jan. 2, 1990, Radiation image detecting system;

Motosada Kiri, 382/132; 250/363.06, 370.09; 378/62 [IMAGE AVAILABLE]

16. 4,830,485, May 16, 1989, \*\*Coded\*\* \*\*aperture\*\* light detector for three dimensional camera; Carl m. Penney, et al., 356/3.06; 250/227.32 [IMAGE AVAILABLE]
17. 4,794,511, Dec. 27, 1988, Apparatus and method for generating two-phase signals for use with a resolver to digital converter; Robert S. Lundin, 363/156; 310/168; 318/661; 336/79, 135; 341/116 [IMAGE AVAILABLE]
18. 4,768,229, Aug. 30, 1988, Restrictive access control system; Lester F. Benjamin, et al., 380/20; 348/1, 5.5 [IMAGE AVAILABLE]
19. 4,721,956, Jan. 26, 1988, Apparatus for converting key topography into electrical signals to effect key evaluation; Stanley J. Demster, 340/825.56, 825.31, 825.34; 361/172 [IMAGE AVAILABLE]
20. 4,717,042, Jan. 5, 1988, Medicine dispenser for home health care; John T. McLaughlin, 221/3, 15, 197 [IMAGE AVAILABLE]
21. 4,674,239, Jun. 23, 1987, Portable abrasive blasting gun assembly; Pierre-Paul Jodoin, 451/87, 90 [IMAGE AVAILABLE]
22. 4,631,700, Dec. 23, 1986, Magnetically coded software for multi-purpose computer; James M. Lapeyre, 341/23, 15; 364/709.1, 928, 928.2, 929.4, 929.61, 929.71, 932, 932.4, 948.1, 949, 952, 952.31, DIG.2 [IMAGE AVAILABLE]
23. 4,625,100, Nov. 25, 1986, Coded data carrier and reader and electronic security tour system employing same; Arthur E. Smith, 235/458, 377, 454, 461, 468, 489; 340/825.55 [IMAGE AVAILABLE]
24. 4,610,781, Sep. 9, 1986, Fluid processing system with flow control manifold; Arnold C. Bilstad, et al., 210/85, 96.2, 321.65 [IMAGE AVAILABLE]
25. 4,602,844, Jul. 29, 1986, Monochromatic incoherent light holography; Gabriel Sirat, et al., 359/30, 900 [IMAGE AVAILABLE]
26. 4,595,014, Jun. 17, 1986, Imaging probe and method; Harrison H. Barrett, et al., 128/654, 659; 250/363.02, 363.06; 378/2, 149 [IMAGE AVAILABLE]
27. 4,588,316, May 13, 1986, Optically controlled multi-color impact printer; Seth L. Everett, Jr., 400/248; 346/46; 400/124.02, 229, 240.4 [IMAGE AVAILABLE]
28. 4,558,916, Dec. 17, 1985, Multi-pin plug connection system for electronic control unit; Karl Hehl, 439/467, 374, 565, 680 [IMAGE AVAILABLE]
29. 4,532,508, Jul. 30, 1985, Personal authentication system; Hartwig Ruell, 340/825.34; 283/69, 78, 86, 904; 380/23; 382/116, 124, 210 [IMAGE AVAILABLE]
30. 4,521,688, Jun. 4, 1985, Three-dimensional and tomographic imaging device for x-ray and gamma-ray emitting objects; Lo I. Yin, 250/363.04, 369 [IMAGE AVAILABLE]
31. 4,514,632, Apr. 30, 1985, Modular scintillation camera; Harrison H. Barrett, 250/368, 363.06, 366 [IMAGE AVAILABLE]
32. 4,507,596, Mar. 26, 1985, Position adjusting drive unit; Wolfgang Angersbach, et al., 318/640; 310/71; 361/796 [IMAGE AVAILABLE]
33. 4,506,374, Mar. 19, 1985, Hybrid collimator; Michael J. Flynn, 378/2; 250/363.06, 363.1, 505.1; 378/149; 976/DIG.428 [IMAGE AVAILABLE]

34. 4,486,081, Dec. 4, 1984, Optical image projector; Albert G. Coulter, 353/27R, 88, 97 [IMAGE AVAILABLE]
35. 4,481,419, Nov. 6, 1984, Attenuation zone plate; Dennis E. Persyk, 250/363.06; 378/2, 150, 159 [IMAGE AVAILABLE]
36. 4,470,675, Sep. 11, 1984, Random access control apparatus and method for slide projector; Dominic J. Di Gianfilippo, et al., 353/15; 340/825.56; 353/25, 103, 117; 360/80; 434/314, 316 [IMAGE AVAILABLE]
37. 4,452,518, Jun. 5, 1984, Slide projector control apparatus; Dominic J. Di Gianfilippo, et al., 353/25; 360/80 [IMAGE AVAILABLE]
38. 4,447,725, May 8, 1984, Quantitative measurement of fat, protein and lactose in dairy products; Delmar A. Biggs, et al., 250/339.12, 340, 343, 910 [IMAGE AVAILABLE]
39. 4,442,425, Apr. 10, 1984, Passive fiber optic keyboard; Jules A. Eibner, 341/31; 200/DIG.47; 250/200, 227.22, 229; 364/713; 400/477, 478 [IMAGE AVAILABLE]
40. 4,440,478, Apr. 3, 1984, Slide tray position sensing arrangement for slide projector apparatus utilizing two slide tray types; Nicholas Mischenko, et al., 353/25, 103, 117 [IMAGE AVAILABLE]
41. 4,435,838, Mar. 6, 1984, Method and apparatus for tomographical imaging; Alexander R. Gourlay, 382/312; 250/363.04, 363.06, 505.1; 378/25 [IMAGE AVAILABLE]
42. 4,432,618, Feb. 21, 1984, Tray drive and slide change control apparatus for slide projector; Robert R. Parker, et al., 353/25, 103, 117 [IMAGE AVAILABLE]
43. 4,422,026, Dec. 20, 1983, Servo control arrangement utilizing alternately energized light sources and a single photodetector; Rudolph Starai, 318/640; 250/231.14; 318/480 [IMAGE AVAILABLE]
44. 4,421,237, Dec. 20, 1983, Electro-mechanical retrieval device for randomly filed materials; Laurence A. Cross, Jr., 209/612, 610 [IMAGE AVAILABLE]
45. 4,420,232, Dec. 13, 1983, Selectively positionable slide tray position sensing arrangement for slide projector apparatus; Nicholas Mischenko, 353/25, 103, 117 [IMAGE AVAILABLE]
46. 4,415,809, Nov. 15, 1983, Electro-optical analyzer for measuring percentage by weight of fat, protein and lactose in milk; John Shields, 250/432R, 339.12, 429, 910 [IMAGE AVAILABLE]
47. 4,393,343, Jul. 12, 1983, Position adjusting drive unit; Wolfgang Angersbach, et al., 318/640; 361/796 [IMAGE AVAILABLE]
48. 4,389,633, Jun. 21, 1983, \*\*Coded\*\* \*\*aperture\*\* imaging with self-supporting uniformly redundant arrays; Edward E. Fenimore, 382/204; 250/363.06, 505.1; 359/561; 382/278, 312 [IMAGE AVAILABLE]
49. 4,379,968, Apr. 12, 1983, Photo-optical keyboard having light attenuating means; Richard I. Ely, et al., 250/229; 341/31 [IMAGE AVAILABLE]
50. 4,370,750, Jan. 25, 1983, Extended range X-ray telescope; Richard B. Hoover, 378/43, 2; 976/DIG.431 [IMAGE AVAILABLE]
51. 4,360,797, Nov. 23, 1982, \*\*Coded\*\* \*\*aperture\*\* imaging with uniformly redundant arrays; Edward E. Fenimore, et al., 382/278; 250/363.06, 505.1; 359/561; 378/2; 382/321 [IMAGE AVAILABLE]

AVAILABLE]

52. 4,343,540, Aug. 10, 1982, Plotting apparatus and method utilizing encoded optical means; Henry F. Berdat, 354/4 [IMAGE AVAILABLE]

53. 4,317,030, Feb. 23, 1982, Mailing package for facilitating automatic sorting of mail; Robin C. Berghell, 235/489; 209/900; 229/68.1; 250/569; 283/71, 74 [IMAGE AVAILABLE]

54. 4,314,971, Feb. 9, 1982, Molecular separation and isoenzyme analyzers; Alvin S. Blum, 422/82, 81; 435/2, 288.7, 808 [IMAGE AVAILABLE]

55. 4,310,763, Jan. 12, 1982, Electro-optical analyzer for measuring percentage by weight of fat, protein and lactose in milk; John Shields, 250/339.1, 339.12, 343, 910 [IMAGE AVAILABLE]

56. 4,304,991, Dec. 8, 1981, Indicia sensor apparatus; Harold J. Weber, 235/442; 200/46; 235/443, 489; 341/23 [IMAGE AVAILABLE]

57. 4,302,675, Nov. 24, 1981, Method of multiplanar emission tomography and apparatus therefor; Robert H. Wake, et al., 250/363.04; 378/150 [IMAGE AVAILABLE]

58. 4,228,420, Oct. 14, 1980, Mosaic of \*\*coded\*\* \*\*aperture\*\* arrays; Edward E. Fenimore, et al., 382/324; 378/2; 382/278 [IMAGE AVAILABLE]

59. 4,209,780, Jun. 24, 1980, \*\*Coded\*\* \*\*aperture\*\* imaging with uniformly redundant arrays; Edward E. Fenimore, et al., 382/278; 250/363.06; 359/561; 378/2; 382/324 [IMAGE AVAILABLE]

60. 4,196,987, Apr. 8, 1980, Multiple mode exposure control system with gray code aperture selector; Irving Erlichman, 354/422, 437 [IMAGE AVAILABLE]

61. 4,192,015, Mar. 4, 1980, Optical image sensor semiconductor apparatus; Michael F. Tompsett, 365/114; 315/169.2 [IMAGE AVAILABLE]

62. 4,191,890, Mar. 4, 1980, Synthetic aperture scanner for decoding a coded image produced by penetrating radiation, such as X-rays; Ronald J. Geluk, 378/2, 98.2 [IMAGE AVAILABLE]

63. 4,179,711, Dec. 18, 1979, Defect noise compensating system; Fumio Nagumo, 348/247 [IMAGE AVAILABLE]

64. 4,126,783, Nov. 21, 1978, Radiation imaging system; Richard C. Lanza, et al., 250/336.2, 363.02, 394; 505/848 [IMAGE AVAILABLE]

65. 4,125,744, Nov. 14, 1978, Communication system; William M. Goodall, 380/27, 35 [IMAGE AVAILABLE]

66. 4,119,850, Oct. 10, 1978, Multiple sample, radioactive particle counting apparatus; Reddy Reddy Venketeshwara Reddy, et al., 250/328, 237R, 363.01 [IMAGE AVAILABLE]

67. 4,090,175, May 16, 1978, Opto-electronic lock device; Robert Lee Hart, 340/825.32; 70/278, 491, DIG.51; 340/543 [IMAGE AVAILABLE]

68. 4,072,200, Feb. 7, 1978, Surveying of subterranean magnetic bodies from an adjacent off-vertical borehole; Fred J. Morris, et al., 175/45; 324/346 [IMAGE AVAILABLE]

69. 4,071,131, Jan. 31, 1978, Electronic control system; Clarence W. Turek, et al., 400/50; 101/93.02, 93.19; 400/131, 134.2 [IMAGE AVAILABLE]

70. 4,040,630, Aug. 9, 1977, Puzzle; William G. Brattain, 273/157R; 446/118, 128 [IMAGE AVAILABLE]

71. 4,017,730, Apr. 12, 1977, Radiographic imaging system for high energy radiation; Harrison H. Barrett, 250/363.06, 505.1; 378/2 [IMAGE AVAILABLE]
72. 4,007,354, Feb. 8, 1977, Calculator and medium with commands for calculator operation; Samuel A. Schwartz, 235/419 [IMAGE AVAILABLE]
73. 3,987,725, Oct. 26, 1976, Process of screen manufacture and use for coding credit cards; John R. Scantlin, 101/128.4, 123, 127.1, 129; 902/29 [IMAGE AVAILABLE]
74. 3,936,639, Feb. 3, 1976, Radiographic imaging system for high energy radiation; Harrison H. Barrett, 250/369, 366, 505.1; 378/2 [IMAGE AVAILABLE]
75. 3,894,215, Jul. 8, 1975, Time clock system; Richard Lotter, et al., 235/377, 489; 346/82 [IMAGE AVAILABLE]
76. 3,889,501, Jun. 17, 1975, Combination electrical and mechanical lock system; Charles P. Fort, 70/283, 337, 405, DIG.51; 361/172 [IMAGE AVAILABLE]
77. 3,875,406, Apr. 1, 1975, Optical system for automatic meter reader; John M. Holeman, 250/231.13, 231.18; 324/175; 340/870.22, 870.27, 870.29 [IMAGE AVAILABLE]
78. 3,875,402, Apr. 1, 1975, Photosensitive tracking device with A-C readout of position of image on special photocell; William J. Parkin, 250/203.1; 244/3.16; 250/214.1, 338.1 [IMAGE AVAILABLE]
79. 3,870,895, Mar. 11, 1975, Automotive anti-theft device; Jacob Lax, et al., 307/10.3 [IMAGE AVAILABLE]
80. 3,844,396, Oct. 29, 1974, PRINTING UPON AND ENCODING IDENTIFICATION DEVICES; William P. Davis, et al., 400/81; 101/19, 78; 234/35; 400/162 [IMAGE AVAILABLE]
81. 3,833,795, Sep. 3, 1974, METHOD AND MEANS FOR ASCERTAINING THE AUTHENTICITY OF SERIALLY NUMBERED OBJECTS; Avraham Shoshani, et al., 101/72, 110 [IMAGE AVAILABLE]
82. 3,831,250, Aug. 27, 1974, METHOD AND APPARATUS FOR ASSEMBLING PRINTED CIRCUIT BOARDS; William G. Holiday, 29/701, 407.1, 430, 721, 741, 833; 228/180.1; 434/224 [IMAGE AVAILABLE]
83. 3,803,582, Apr. 9, 1974, REMOTE-CONTROLLED MESSAGE DISPLAY SYSTEM WITH IMPROVED SIGN POSITIONING MEANS; Chester W. McKee, et al., 340/317; 318/282 [IMAGE AVAILABLE]
84. 3,795,063, Mar. 5, 1974, CARD SELECTION SYSTEM; Roy A. Nelson, 434/343, 169, 344 [IMAGE AVAILABLE]
85. 3,772,675, Nov. 13, 1973, MAGNETIC ANALOG-TO-DIGITAL ENCODER; Norman J. Bose, et al., 341/15 [IMAGE AVAILABLE]
86. 3,764,979, Oct. 9, 1973, HOLOGRAPHIC SYSTEM FOR SUBJECT RECOGNITION PERMITTING CONVERSION OF A PATTERN INTO A MACHINE-READABLE FORM; Dennis Gabor, 382/210; 359/11, 22 [IMAGE AVAILABLE]
87. 3,736,868, Jun. 5, 1973, APPARATUS FOR PRINTING SERIALLY RECEIVED DATA; Henry P. Briggs, 101/93.29 [IMAGE AVAILABLE]
88. 3,736,549, May 29, 1973, ELECTRICAL CONNECTOR; John W. Clements, 439/329, 387 [IMAGE AVAILABLE]
89. 3,727,010, Apr. 10, 1973, AUTOMATIC CARD DIALING DEVICE USING PHOTOCELL READOUT; Hiroshi Fuyama, et al., 379/357, 359 [IMAGE AVAILABLE]
90. 3,701,318, Oct. 31, 1972, SKEW CONTROL APPARATUS FOR FEEDING A WIDE-WEB RIBBON IN A HIGH SPEED PRINTER; Paul R. Lozeau, et

- al., 101/336; 226/20; 242/534.1, 592; 400/211, 218, 246 [IMAGE AVAILABLE]  
91. 3,691,544, Sep. 12, 1972, CONTROL CIRCUIT RESPONSIVE TO SYNCH SIGNALS; Harold Gallina, 360/79 [IMAGE AVAILABLE]  
92. 3,676,689, Jul. 11, 1972, OPTICAL CODE GENERATING APPARATUS; Delbert M. Knepper, Sr., 250/566, 227.22, 229; 341/22 [IMAGE AVAILABLE]  
93. 3,667,382, Jun. 6, 1972, PRINTING PUNCHING AND ENCODING APPARATUS FOR FILE FOLDERS AND THE LIKE; Robert P. Kaplan, 101/19, 90, 93.07 [IMAGE AVAILABLE]  
94. 3,662,368, May 9, 1972, TELEMETERING SYSTEM HAVING A CONTINUOUSLY MONITORING ENCODER; Richard G. Farnsworth, et al., 340/870.22, 870.29; 379/107 [IMAGE AVAILABLE]  
95. 3,659,356, May 2, 1972, ELEMENT MATCHING DEVICE; Roy A. Nelson, 434/169 [IMAGE AVAILABLE]  
96. 3,651,310, Mar. 21, 1972, SYSTEM FOR CREDIT CARD VALIDATOR AND IMPRINTER; John T. Link, 235/380; 194/212; 200/46; 235/474; 340/825.33; 902/22 [IMAGE AVAILABLE]  
97. 3,633,496, Jan. 11, 1972, PRINTER AND CONTROL CIRCUIT THEREFOR; Thomas M. Kearns, 101/93.34; 361/191 [IMAGE AVAILABLE]  
98. 3,631,535, Dec. 28, 1971, CREDIT CARD DECODER; Thomas Bilinski, Jr., et al., 235/443 [IMAGE AVAILABLE]  
99. 3,625,359, Dec. 7, 1971, CARD TRANSFER DEVICE FOR INFORMATION RETRIEVAL SYSTEMS; Laurence Allan Cross, Jr., 209/608, 909 [IMAGE AVAILABLE]  
100. 3,619,587, Nov. 9, 1971, RATE MULTIPLIER; Francis T. Chambers, III, 235/421; 377/47, 87 [IMAGE AVAILABLE]  
101. 3,610,890, Oct. 5, 1971, DATA INPUT APPARATUS; Walter E. Strimling, 235/433, 434 [IMAGE AVAILABLE]  
102. 3,600,054, Aug. 17, 1971, HOLOGRAPHIC ASSOCIATIVE MEMORY PERMITTING CONVERSION OF A PATTERN TO A MACHINE-READABLE FORM; Dennis Gabor, 359/25; 250/550; 359/32; 382/210 [IMAGE AVAILABLE]  
103. 3,598,490, Aug. 10, 1971, HIGH-SPEED SYMBOLIZATION OF SEMICONDUCTOR ARTICLES; Gerald Anthony Yearsley, 355/77; 40/310; 250/492.1, 580; 355/27, 39, 40 [IMAGE AVAILABLE]  
104. 3,581,421, Jun. 1, 1971, CODED VISUAL INFORMATION STORAGE UNIT; William J. Raymond, 40/701 [IMAGE AVAILABLE]  
105. 3,581,063, May 25, 1971, VERIFICATION MEANS FOR CHARACTER GROUPS; Joseph L. Levasseur, 235/380; 340/825.3 [IMAGE AVAILABLE]  
106. 3,581,019, May 25, 1971, CARD CONTROL OF RADIO TELEPHONE; Donald P. Ryan, 379/63 [IMAGE AVAILABLE]  
107. 3,576,286, Apr. 27, 1971, AUTOMATIC FASTENING MACHINE; Troy J. Bunch, 227/2, 99, 152 [IMAGE AVAILABLE]  
108. 3,571,596, Mar. 23, 1971, PROGRAMMING APPARATUS FOR AN AUTOMATIC LIQUID SCINTILLATION COUNTING SYSTEM; Richard B. Frank, et al., 250/432R, 223R, 566 [IMAGE AVAILABLE]

=> uniformly redundant  
186897 UNIFORMLY  
18512 REDUNDANT  
L2 9 UNIFORMLY REDUNDANT  
(UNIFORMLY(W) REDUNDANT)

=> 11 and 12

L3

9 L1 AND L2

=> d 1-9

1. 5,099,128, Mar. 24, 1992, High resolution position sensitive detector; Roger Stettner, 250/370.11, 363.06, 363.1, 370.09 [IMAGE AVAILABLE]
2. 5,036,546, Jul. 30, 1991, Pseudo-noise product \*\*coded\*\* \*\*aperture\*\* arrays and method for designing same; Stephen R. Gottesman, et al., 382/321, 275 [IMAGE AVAILABLE]
3. 4,595,014, Jun. 17, 1986, Imaging probe and method; Harrison H. Barrett, et al., 128/654, 659; 250/363.02, 363.06; 378/2, 149 [IMAGE AVAILABLE]
4. 4,435,838, Mar. 6, 1984, Method and apparatus for tomographical imaging; Alexander R. Gourlay, 382/312; 250/363.04, 363.06, 505.1; 378/25 [IMAGE AVAILABLE]
5. 4,389,633, Jun. 21, 1983, \*\*Coded\*\* \*\*aperture\*\* imaging with self-supporting \*\*uniformly\*\* \*\*redundant\*\* arrays; Edward E. Fenimore, 382/204; 250/363.06, 505.1; 359/561; 382/278, 312 [IMAGE AVAILABLE]
6. 4,370,750, Jan. 25, 1983, Extended range X-ray telescope; Richard B. Hoover, 378/43, 2; 976/DIG.431 [IMAGE AVAILABLE]
7. 4,360,797, Nov. 23, 1982, \*\*Coded\*\* \*\*aperture\*\* imaging with \*\*uniformly\*\* \*\*redundant\*\* arrays; Edward E. Fenimore, et al., 382/278; 250/363.06, 505.1; 359/561; 378/2; 382/321 [IMAGE AVAILABLE]
8. 4,228,420, Oct. 14, 1980, Mosaic of \*\*coded\*\* \*\*aperture\*\* arrays; Edward E. Fenimore, et al., 382/324; 378/2; 382/278 [IMAGE AVAILABLE]
9. 4,209,780, Jun. 24, 1980, \*\*Coded\*\* \*\*aperture\*\* imaging with \*\*uniformly\*\* \*\*redundant\*\* arrays; Edward E. Fenimore, et al., 382/278; 250/363.06; 359/561; 378/2; 382/324 [IMAGE AVAILABLE]

=> anti(w)symmetric or antisymmetric

129896 ANTI

21822 SYMMETRIC

164 ANTI(W)SYMMETRIC

388 ANTISYMMETRIC

L4 508 ANTI(W)SYMMETRIC OR ANTISYMMETRIC

=> 13 and 14

L5 0 L3 AND L4

=> 11 and 14

L6 0 L1 AND L4

=> non(w)symmetric or nonsymmetric

732188 NON

21822 SYMMETRIC

727 NON(W)SYMMETRIC

279 NONSYMMETRIC

L7 974 NON(W)SYMMETRIC OR NONSYMMETRIC

=> 13 and 17

L8 0 L3 AND L7

=> l1 and l7

L9 0 L1 AND L7

=> hadamard

L10 574 HADAMARD

=> l3 and l10

L11 2 L3 AND L10

=> d 1-2

1. 4,435,838, Mar. 6, 1984, Method and apparatus for tomographical imaging; Alexander R. Gourlay, 382/312; 250/363.04, 363.06, 505.1; 378/25 [IMAGE AVAILABLE]

2. 4,370,750, Jan. 25, 1983, Extended range X-ray telescope; Richard B. Hoover, 378/43, 2; 976/DIG.431 [IMAGE AVAILABLE]

=> skew(w) hadamard

9293 SKEW

574 HADAMARD

L12 0 SKEW(W) HADAMARD

=> quadratic residue

5325 QUADRATIC

147330 RESIDUE

L13 47 QUADRATIC RESIDUE  
(QUADRATIC(W) RESIDUE)

=> l3 and l13

L14 0 L3 AND L13

=> l1 and l13

L15 0 L1 AND L13

=> skew(l) hadamard

9293 SKEW

574 HADAMARD

L16 9 SKEW(L) HADAMARD

=> d 1-9

1. 5,495,555, Feb. 27, 1996, High quality low bit rate celp-based speech codec; Kumar Swaminathan, 395/2.16, 2.17, 2.2, 2.28, 2.32 [IMAGE AVAILABLE]

2. 5,490,165, Feb. 6, 1996, Demodulation element assignment in a system capable of receiving multiple signals; Robert D. Blakeney, II, et al., 375/205, 208, 267 [IMAGE AVAILABLE]

3. 5,398,322, Mar. 14, 1995, Number theory mapping generator for addressing matrix structures; Warren Marwood, 395/421.07 [IMAGE AVAILABLE]

4. 5,321,970, Jun. 21, 1994, Method and apparatus for calibrating a spectrometer; Anthony M. C. Davies, et al., 73/1R; 250/339.07, 339.09; 356/328 [IMAGE AVAILABLE]

5. 5,265,098, Nov. 23, 1993, Method and means for managing DASD array accesses when operating in degraded mode; Richard L. Mattson, et al., 395/182.04; 371/10.2, 40.1 [IMAGE AVAILABLE]

6. 5,091,966, Feb. 25, 1992, Adaptive scaling for decoding spatially periodic self-clocking glyph shape codes; Dan S. Bloomberg, et al., 382/203; 235/470, 494; 382/196, 201, 257 [IMAGE AVAILABLE]
7. 4,989,257, Jan. 29, 1991, Method and apparatus for generating size and orientation invariant shape features; Steven L. Horowitz, 382/192, 280 [IMAGE AVAILABLE]
8. 4,802,230, Jan. 31, 1989, Method and apparatus for generating size and orientation invariant shape features; Steven L. Horowitz, 382/199, 226 [IMAGE AVAILABLE]
9. 4,608,669, Aug. 26, 1986, Self contained array timing; Walter S. Klara, et al., 365/201, 194, 233; 371/21.2 [IMAGE AVAILABLE]

=> complementary  
L17 108734 COMPLEMENTARY

=> l3 and l17  
L18 2 L3 AND L17

=> d 1-2  
1. 5,099,128, Mar. 24, 1992, High resolution position sensitive detector; Roger Stettner, 250/370.11, 363.06, 363.1, 370.09 [IMAGE AVAILABLE]  
2. 4,370,750, Jan. 25, 1983, Extended range X-ray telescope; Richard B. Hoover, 378/43, 2; 976/DIG.431 [IMAGE AVAILABLE]

=> LOG Y  
U.S. Patent & Trademark Office LOGOFF AT 15:14:32 ON 07 AUG 96